

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11861	aom aod (acoust\$2 adj optic\$2 adj2 (modulator deflector))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:02
L2	385459	(exit optic\$2) near2 fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 07:55
L3	9267	2 same groove	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:03
L4	8	1 same 3	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 07:58
L5	580	1 same 2	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 07:58
L6	36	3 and 5	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 07:58
L7	7	("4295145"   "4577926"   "4995693"   "5132834"   "5745153"   "5748222"   "5780806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:00
L8	0	("6822669").URPN.	USPAT	OR	ON	2006/07/29 08:02
L9	14168	aom aod (acoust\$2 adj optic\$2 adj2 (modulator deflector))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:02
L10	19410	2 same groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:03
L11	8	9 same 10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:03

## EAST Search History

L12	697	9 same 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:04
L13	37	10 and 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:04
L14	1	13 not 6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:04
L15	660	12 not 13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:05
L16	55	15 and groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:06
L17	605	15 not 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:39
L18	114	9 near3 multi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:23
L19	8	17 and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:08

## EAST Search History

L20	24	2 and 18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:08
L21	21	("3931458"   "4729037"   "5202893"   "5363233"   "5369661"   "5373526"   "5654125"   "5719009"   "5760880"   "5780200"   "5798202"   "5829881"   "5867305"   "5900109"   "5949466"   "5953036"   "6106627"   "6136375"   "6167075"   "6283022"   "RE32139").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:18
L22	0	("6888853").URPN.	USPAT	OR	ON	2006/07/29 08:20
L23	75	("3902048"   "3919527"   "3947816"   "3978317"   "4006343"   "4026630"   "4093865"   "4097729"   "4113343"   "4333006"   "4364627"   "4378142"   "4415224"   "4416505"   "4428643"   "4429946"   "4591242"   "4610500"   "4639070"   "4647143"   "4652732"   "4713532"   "4748316"   "4753502"   "4758058"   "4766298"   "4790612"   "4794237"   "4795224"   "4800256"   "4861973"   "4904034"   "4957336"   "4960985"   "4973112"   "5000529"   "5026975"   "5039184"   "5073702"   "5124537"   "5132524"   "5144118"   "5153417"   "5162929"   "5170180"   "5206491"   "5212370"   "5216230"   "5229588"   "5286961"   "5296689"   "5361158"   "5459308"   "5475207"   "5484990"   "5491328"   "5495097"   "5504595"   "5510605"   "5515097"   "5517359"   "5550655"   "5555130"   "5557093"   "5684289"   "5689102"   "5693930"   "5705802"   "5723852"   "5801370"   "5814803"   "5837988"   "5869827"   "5886336"   "5896162").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:20
L24	3	("6466359").URPN.	USPAT	OR	ON	2006/07/29 08:21

## EAST Search History

L25	422	17 and @ay<="2001"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:41
L26	422	25 and 2 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 08:58
L27	4	("4819018"   "4822151"   "5550574"   "6151099").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:47
L28	5	("4745487"   "4864326"   "4897737"   "5978010"   "6081316").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:47
L29	3	("4819018"   "4822151"   "5550574").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:50
L30	6	("5978010").URPN.	USPAT	OR	ON	2006/07/29 08:50
L31	3	("6151099").URPN.	USPAT	OR	ON	2006/07/29 08:51
L32	3	("5086341"   "5771320"   "5953143").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 08:52
L33	2	"5,351,330".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 10:07
L34	12	("3826998"   "4146298"   "4186995"   "4432601"   "4749250"   "4840457"   "4842391"   "5163114"   "5189716"   "5202558"   "5208888"   "5351330").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:00
L35	9	("5668899").URPN.	USPAT	OR	ON	2006/07/29 09:00
L36	16	("4232385"   "4342504"   "4373782"   "4632513"   "4772085"   "4798438"   "4834481"   "4884095"   "4900118"   "4932747"   "4933688"   "5113244"   "5170451"   "5502783"   "5504609"   "Re33296").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:02
L37	13	("5666447").URPN.	USPAT	OR	ON	2006/07/29 09:07

## EAST Search History

L38	13	("4201455"   "4244005"   "4506275"   "4516838"   "4520047"   "4520472"   "4540245"   "4617578"   "4634232"   "4667300"   "4743091"   "4810068"   "4960320").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:10
L39	7	("1751584"   "3820123"   "3841733"   "3982253"   "4075662"   "4359267").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:15
L40	7	("4506275").URPN.	USPAT	OR	ON	2006/07/29 09:15
L41	17	("4201455").URPN.	USPAT	OR	ON	2006/07/29 09:16
L42	8	("4502757"   "4617578"   "4688883"   "4758848"   "4762417"   "4777358"   "4799210"   "4844618").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:21
L43	6	("4975717").URPN.	USPAT	OR	ON	2006/07/29 09:22
L44	35	("3506779"   "3574657"   "3628953"   "3773404"   "4054094"   "4492970"   "4548893"   "4563056"   "4693958"   "4731317"   "4867545"   "4880299"   "4959664"   "4975717"   "5109460"   "5168288"   "5180652"   "5188032"   "5212048"   "5270368"   "5310869"   "5339737"   "5353705"   "5357617"   "5378580"   "5379698"   "5385092"   "5414561"   "5469787"   "5605097"   "5745153"   "5781224"   "5808657").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:25
L45	0	("6989854").URPN.	USPAT	OR	ON	2006/07/29 09:27
L46	2	("4513326"   "4547814").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:31
L47	21	("4801950").URPN.	USPAT	OR	ON	2006/07/29 09:32
L48	9	("4739416"   "4751522"   "4801950"   "4814886"   "4878063"   "5068904"   "5274394"   "5291248"   "5453777").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:33
L49	5	("5942745").URPN.	USPAT	OR	ON	2006/07/29 09:34
L50	4	("3787888"   "4093961"   "4283785"   "4470075").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:38
L51	2	("3725574"   "3727062").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 09:40
L52	9	("4470075").URPN.	USPAT	OR	ON	2006/07/29 09:40

## EAST Search History

L53	6	("5132834" "4995693" "4801950").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 09:58
L55	21	("3931458"   "4729037"   "5202893"   "5363233"   "5369661"   "5373526"   "5654125"   "5719009"   "5760880"   "5780200"   "5798202"   "5829881"   "5867305"   "5900109"   "5949466"   "5953036"   "6106627"   "6136375"   "6167075"   "6283022"   "RE32139").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 10:03
L56	0	("6888853").URPN.	USPAT	OR	ON	2006/07/29 10:06
L57	0	"wo 0013039"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 10:07
L58	0	"wo 13039"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 10:07
L59	0	"wo 00/13039"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 10:07
L60	10	("6466359" "6011250" "5309178" "6888853" "6595697").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 10:09
L61	3	60 and 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 10:11

## EAST Search History

L62	8	60 and (fiber 9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 10:11
S92	10	("6466359" "6011250" "5309178" "6888853" "6595697").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 10:09
S93	75	("3902048"   "3919527"   "3947816"   "3978317"   "4006343"   "4026630"   "4093865"   "4097729"   "4113343"   "4333006"   "4364627"   "4378142"   "4415224"   "4416505"   "4428643"   "4429946"   "4591242"   "4610500"   "4639070"   "4647143"   "4652732"   "4713532"   "4748316"   "4753502"   "4758058"   "4766298"   "4790612"   "4794237"   "4795224"   "4800256"   "4861973"   "4904034"   "4957336"   "4960985"   "4973112"   "5000529"   "5026975"   "5039184"   "5073702"   "5124537"   "5132524"   "5144118"   "5153417"   "5162929"   "5170180"   "5206491"   "5212370"   "5216230"   "5229588"   "5286961"   "5296689"   "5361158"   "5459308"   "5475207"   "5484990"   "5491328"   "5495097"   "5504595"   "5510605"   "5515097"   "5517359"   "5550655"   "5555130"   "5557093"   "5684289"   "5689102"   "5693930"   "5705802"   "5723852"   "5801370"   "5814803"   "5837988"   "5869827"   "5886336"   "5896162").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 17:41
S94	3	("6466359").URPN.	USPAT	OR	ON	2006/07/28 17:42

## EAST Search History

S95	24	("3805275"   "4581617"   "4761659"   "4796265"   "4802179"   "4811348"   "4879459"   "4942584"   "4949345"   "5006704"   "5021647"   "5166510"   "5225850"   "5270736"   "5282217"   "5305337"   "5369272"   "5369630"   "5377213"   "5473153"   "5600126"   "5659414"   "5844707"   "5892219").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 17:42
S96	37	("4581617").URPN.	USPAT	OR	ON	2006/07/28 17:44
S97	2	("6011250").URPN.	USPAT	OR	ON	2006/07/28 17:44
S98	13	("4201455"   "4244005"   "4506275"   "4516838"   "4520047"   "4520472"   "4540245"   "4617578"   "4634232"   "4667300"   "4743091"   "4810068"   "4960320").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 17:48
S99	187014	(exit optic\$2) near2 fiber	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 17:58
S10 0	9267	S99 same groove	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 07:55
S10 1	23780	S99 same align\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 17:58
S10 2	11861	aom aod (acoust\$2 adj optic\$2 adj2 (modulator deflector))	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/29 07:55
S10 3	40	S100 and S101 and S102	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 17:49
S10 4	2	"5132834".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 17:57
S10 5	385459	(exit optic\$2) near2 fiber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/29 07:55



## EAST Search History

S10 6	19410	S105 same groove	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 18:04
S10 7	34338	S105 same align\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 17:58
S10 8	14168	aom aod (acoust\$2 adj optic\$2 adj2 (modulator deflector))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 17:59
S10 9	40	S106 and S107 and S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 17:59
S11 0	7	("4295145"   "4577926"   "4995693"   "5132834"   "5745153"   "5748222"   "5780806").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 17:59
S11 1	5	("4995693").URPN.	USPAT	OR	ON	2006/07/28 18:01
S11 2	2	("4530573"   "4693548").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 18:01
S11 3	10	("4577926").URPN.	USPAT	OR	ON	2006/07/28 18:02
S11 4	10	("4577926").URPN.	USPAT	OR	ON	2006/07/28 18:03
S11 5	697	S105 same S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 18:06
S11 6	488	S115 and @ay<="2001"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/28 18:06

## EAST Search History

S11 7	2	("4513326"   "4547814").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/28 18:28
S11 8	16	("4547814").URPN.	USPAT	OR	ON	2006/07/28 18:29
S11 9	21	("4801950").URPN.	USPAT	OR	ON	2006/07/28 18:29
S12 0	21	("4801950").URPN.	USPAT	OR	ON	2006/07/28 18:32